

SEQUENCE LISTING

<110> Evans, Thomas
Xu, Ming-Qun

<120> Intein-Mediated Protein Ligation Of Expressed Proteins

<130> NEB-154

<140>

<141>

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<170> PatentIn Ver. 2.0

<210> 1

<211> 99

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 1

tcgaggcaac caaccctgc gtatccggtg acaccattgt aatgactagt ggcggtccgc 60
gcactgtggc tgaactggag ggcaaaccgt tcaccgcac 99

<210> 2

<211> 93

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 2

ccggttggct gtcgccaca gttgtgtaca atgaagccat tagcagtgaa tgcgctagca 60
ccgtaaacag tagcgtcata aacatcctgg cgg 93

<210> 3

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 3

tgattcgcgg ctctggctac ccatgccct caggtttctt ccgcacctgt gaacgtgacg 60
tatatgatct gcgtacacgt gagggtcatt gcttacgttt 100

<210> 4

<211> 100

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 4

gacctatgat caccgtgttc tggatgatgga tggatggcctg gaatggcgtg ccgcggggtga 60
actggaacgc ggcgaccgcc tggatgatgga tgatgcagct 100

<210> 5

<211> 87

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 5

ggcgagtctt cggcactggc aaccttccgt ggcttgcgtg gcgctggccg ccaggatggt 60
tatgacgcta ctgtttacgg tgctagc 87

<210> 6

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 6
gcattcactg ctaatggctt cattgtacac aactgtggcg agcagccaa 49

<210> 7
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 7
ccagcgccac gcaggccacg gaaggttgcc agtgccggaa actcgccagc tgcacatcc 60
atcaccaggc ggtcgccgcg ttccagttca cccgcggcac 100

<210> 8
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 8
gccattccag gccaccatcc atcaccagaa caggtgatc atgggtcaaa cgtaagcaat 60
gaccctcagc tgtacgcaga tcatacagt 90

<210> 9
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 9
cacgttcaca ggtgcggaag aaacctgagg ggcattggta gccagagccg cgaatcagt 60
cggtgaacgc ttgacctcc agttcagcca cagtgcg 97

<210> 10
<211> 55
<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 10

cggaccgcga ctagtcatta caatggtgtc accggatagc caggggttgg ttgcc 55

<210> 11

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 11

tcgaggcaac caacgcatgc gtatccggtg acaccattgt aatga 45

<210> 12

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 12

ctagtcatta caatggtgtc accggatagc catgcgttgg ttgcc 45

<210> 13

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 13

tcgagggtg cgtatccggt gacaccattg taatga 36

<210> 14
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 14
ctagtcatta caatggtgtc accggatacg cagccc 36

<210> 15
<211> 54
<212> DNA
<213> Artificial Sequence

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Synthesized From Methanobacterium
thermoautotrophicum.

<400> 15
tcgagggcat cgaggcaacc aacggatccg tatccggtga caccattgta atga 54

<210> 16
<211> 54
<212> DNA
<213> Artificial Sequence

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Synthesized From Methanobacterium
thermoautotrophicum.

<400> 16
ctagtcatta caatggtgtc accggatacg gatccgttgg ttgcctcgat gcc 54

<210> 17
<211> 54
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium

a1
cont

thermoautotrophicum.

<400> 17
tcgagggcat cgaggcaacc aacggcgccg tatccggtga caccattgta atga 54

<210> 18
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 18
ctagtcatta caatggtgtc accggatacg gcgccgttgg ttgcctcgat gccc 54

<210> 19
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 19
gtacacgcat gcggcgagca gcccgga 28

<210> 20
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 20
ccggtccccg gctgctcgcc gcatgcgt 28

<210> 21
<211> 14
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<220>

<223> At position 12, "Xaa" = any amino acid

<400> 21

Thr Leu Glu Gly Cys Gly Glu Gln Pro Thr Gly Xaa Leu Lys
1 5 10

<210> 22

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 22

Cys Gly Glu Gln Pro Thr Gly
1 5

<210> 23

<211> 462

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

<400> 23

caactcggga ggatagaggc aaccaacccc tgtgtatccg gtgacaccat tgtaatgaca 60
tccggggggtc cgcggacagt ggctgaactg gagggcaagc ccttcaccgc acttatcagg 120
ggctcagggt acccctgccc ctcaggtttc ttcaggacct gtgaacggga cgtatatgat 180
cttagaacca gggagggtca ttgcttaagg ttgacccatg atcacagggt ccttgtaatg 240
gatggtggtc tggaatggcg tgccgccggt gaacttgaaa ggggagaccg ccttgatgatg 300
gatgatgctg caggggagtt tccggcactt gcaaccttca gaggcctcag gggcgccggc 360
cgccaggatg tctatgacgc cactgtctac ggtgccagtg cattcacagc caatggattc 420
atagtccaca actgtgggga gcagccactc ctaccccatg aa 462



<210> 24
<211> 447
<212> DNA
<213> Artificial Sequence



<220>
<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

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ccatgcccct caggtttctt ccgcacctgt gaacgtgacg tatatgatct gcgtacacgt 180
gagggtcatt gcttacgttt gaccatgat caccgtgttc tggatgatga tggtaggctg 240
gaatggcgtg ccgcgggtga actggaacgc ggcgaccgcc tggatgatga tgatgcagct 300
ggcgagtttc cggcactggc aaccttcgt ggctgctg gcgctggccg ccaggatgtt 360
tatgacgcta ctgtttacgg tgctagcgca ttcactgcta atggcttcat tgtacacaac 420
tgtggcgagc agccaaccgg tgaattc 447

al
cont